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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)
	)
Masakazu SUZUKI et al.	)
	) Group Art Unit: Not yet assigned
Serial No.: Not Yet Assigned	)
	) Examiner:
Filed: March 5, 2002	)
	)
For: MATHEMATICAL	)
EXPRESSION RECOGNIZING	)
DEVICE, MATHEMATICAL	
EXPRESSION RECOGNIZING	
METHOD, CHARACTER	
RECOGNIZING DEVICE AND	
CHARACTER RECOGNIZING	
METHOD	

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's

attention the documents listed on attached Form PTO-1449. Copies of the listed

documents are attached. Applicants respectfully request that the Examiner consider the

documents listed on attached Form PTO-1449 and indicate that they were considered

by making an appropriate notation on this form.

This Information Disclosure Statement is being filed with the above-referenced

application.

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The following is a concise statement of relevance for each of the non-English language documents:

1. <u>Offline Recognition of the Structure of Mathematical Expressions by Spanning Tree of Minimum Cost</u> discloses a method of analyzing the structures of mathematical formulas. The structure of a mathematical formula is determined by expressing mathematical formula likeness as a network and obtaining a spanning tree of the minimum cost of the network.

2. <u>Mathematical Expression Recognition by Projection Profile Characteristics</u> - The relevance of this document is discussed at pages 2 and 3 of the specification of the present application.

3. <u>Mathematical Expression Recognition By The Layout of Symbols</u> - The relevance of this document is discussed at page 3 of the specification of the present application

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed

appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: March 5, 2002

By: _____
Richard V. Burgujian
Reg. No. 31,744

Enclosures
RVB/FPD/bl

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INFORMATION DISCLOSURE CITATION

Atty. Docket No.	04239.2756	Serial No.	Not yet assigned

Applicant	Masakazu SUZUKI et al.

Filing Date	March 5, 2002	Group:	

U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Richard J. FATEMAN et al., "OPTICAL CHARACTER RECOGNITION AND PARSING OF TYPESET MATHEMATICS", Journal of Visual Communication and Image Representation, Vol. 7, No. 1, pp. 2-15 (October 1995)
	Masayuki OKAMOTO et al., "MATHEMATICAL EXPRESSION RECOGNITION BY THE LAYOUT OF SYMBOLS", D-II Vol. JZ8-D-II No. 3, pp 474-482, (March 1995)
	Masayuki OKAMOTO et al., "MATHEMATICAL EXPRESSION RECOGNITION BY PROJECTION PROFILE CHARACTERISTICS", D-II Vol. JZ8-D-II No. 2, pp. 366-370, (February 1995)
	Yuko ETO et al., "OFFLINE RECOGNITION OF THE STRUCTURE OF MATHEMATICAL EXPRESSIONS BY SPANNING TREE OF MINIMUM COST", , PRMU 99-236, The Institute of Electronics, Information and Communication Engineers pp. 37- 44 (February 2000)